

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1 CONTRACT ID CODE <div style="text-align: center;">J</div>		PAGE OF PAGES <div style="text-align: center;">1 10</div>	
2 AMENDMENT/MODIFICATION NO <div style="text-align: center;">03</div>		3 EFFECTIVE DATE <div style="text-align: center;">26-Aug-2013</div>		4 REQUISITION/PURCHASE REQ NO ACQR855736		5 PROJECT NO (If applicable)	
6 ISSUED BY COMMANDER NAVFAC ATLANTIC 6506 HAMPTON BLVD NORFOLK VA 23508-1278		CODE N62470		7 ADMINISTERED BY (If other than item 6) <div style="text-align: center; font-size: 1.2em;">See Item 6</div>		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) CARDNO TEC, NC. 2496 OLD IVY RD STE 300 CHARLOTTESVILLE VA 22903-4895				9A. AMENDMENT OF SOLICITATION NO.			
				9B. DATED (SEE ITEM 11)			
				X 10A. MOD. OF CONTRACT/ORDER NO. N40085-08-D-1403-JN01			
				X 10B. DATED (SEE ITEM 13) 15-Sep-2008			
CODE 0L251		FACILITY CODE					
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS							
<input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of offer <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.							
12. ACCOUNTING AND APPROPRIATION DATA (If required)							
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.							
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.							
B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).							
X C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103 (Types of Contract Modifications)							
D. OTHER (Specify type of modification and authority)							
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return <u>1</u> copies to the issuing office.							
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.) Modification Control Number: (b) (6) 25135252 Prepared by: (b) (6) Clarify ODCs This modification is issued to Task Order JN01 (Environmental Impact Statement (EIS) for the Introduction and Operation of the Navy Joint Strike Fighter (JSF) dated 15 September 2008 to clarify Other Direct Costs (ODCs), as indicated by the attached Scope of Work. The contract price of \$2,370,345.97 and contract completion date of 30 September 2013 remain unchanged. Acceptance of this modification by the Contractor constitutes an accord and satisfaction and represents payment in full (for both time and money) for any and all costs, impact effect, and/or delays arising out of, or incidental to, the work as herein revised and extension of the contract completion time. Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.							
15A. NAME AND TITLE OF SIGNER (Type or print)				16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) (b) (6) / CONTRACT SPECIALIST TEL: (b) (6) EMAIL: (b) (6)			
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)		15C. DATE SIGNED (b) (6)		16B. DATE SIGNED (b) (6)		16C. DATE SIGNED 28-Aug-2013	

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

SUMMARY OF CHANGES

SECTION C - DESCRIPTIONS AND SPECIFICATIONS

The following have been added by full text:

REVISED SOW

**SCOPE OF WORK
ADMINISTRATIVE MODIFICATION FOR
ENVIRONMENTAL IMPACT STATEMENT (EIS) FOR THE INTRODUCTION AND OPERATION
OF THE NAVY JOINT STRIKE FIGHTER (JSF)
CONTRACT # N40085-08-D-1403 TASK ORDER JN01, MODIFICATION 3**

1.0 BACKGROUND

In June 2011, the Navy awarded a contract modification (N62470-10-D3008, Task Order JNO1) to focus the F-35C Homebasing EIS on the West Coast first. This required a deductive modification to eliminate all east coast effort and re-align west coast effort into a new task for an Environmental Assessment (EA) analyzing the impacts of the training associated with routine air wing training detachments at NAS Fallon and with the Naval Strike and Air Warfare Center (NSAWC) which includes the Navy Fighter Weapons School (TOPGUN).

Due to a change in direction for the NAS Fallon EA, there will no longer be a public meeting associated with Task 4.18.4 (EA Public Information Meeting). This modification realigns the ODCs associated with the EA Public Meeting task and shifts the costs to Task 4.18.6 (EA Clean Air Act Conformity Analysis (CAACA)).

2.0 REFERENCES/COMPLIANCE REQUIREMENTS

The Contractor will ensure that all work completed under the requirements of this Scope of Work (SOW) complies with the compliance requirements as set out in the original task order.

3.0 SERVICES REQUIRED

The section below details the services, products, meetings and time expectations to be modified as part of this scope of work. Wherever possible in this SOW, the number of days associated with each meeting and the number of copies of all printed material is provided to establish a common basis of cost estimating. Some deliverables are requested in electronic format by e-mail. Due to Navy/Marine Corps Internet restrictions, electronic mail attachments over 10 MB in size will not be acceptable. Any electronic deliverables exceeding the 10 MB size will be made available a secure FTP site with e-mail notice to appropriate recipients.

The following tables show efforts that will be modified in the SOW that are discussed in detail in the appropriate sections. With receipt of this SOW, the Contractor will be provided a template for preparing a fee proposal using an Excel spreadsheet. The Contractor will utilize this template for the fee proposal and will not deviate from its format without first conferring with the NTR.

TABLE OF SERVICES REQUIRED

Element #	SOW Element Title
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4.18.4	EA Public Information Meeting
4.18.6	EA Clean Air Act Conformity Analysis (CAACA)

TABLE OF MEETINGS, SCHEDULE, AND DELIVERY DATES

Element #	SOW Element Title
4.18.9	EA Meetings
4.18.10	EA Deliverables

4.18.4 EA PUBLIC INFORMATION MEETING

The contractor was originally tasked with coordinating and attending a public meeting. Since this aspect of the public information meeting task is no longer needed, the contractor should shift all costs associated with the following ODC aspects of the public meeting to Task 4.18.6: (1) facility rental, (2) stenographer, (3) posters, (4) travel associated with the Pre-Public Informational Meeting / Risk Communication Training meeting, and (5) travel associated with the public information meeting. For cost estimating purposes, the labor hours associated with the previously mentioned ODC's should not be deducted since they will be still be used for public participation purposes.

4.18.6 EA CLEAN AIR ACT CONFORMITY ANALYSIS (CAACA)

Additional Air Quality analysis is needed to complete the EA effort due to extensive comments and changes in data inputs that will result in an additional Air Quality deliverable. For cost estimating purposes, the contractor should assume that an additional iteration (electronic submittal) of the Air Quality section and supporting data tables will be required under this task.

4.18.8 EA MEETINGS

The following listed meeting locations used for planning purposes and price estimates should be deducted and realigned as part of this administrative, no-cost modification.

SOW Section	Meeting Purpose	Location	# of Days*
4.18.4	Pre-Public Informational Risk Comm Session	Fallon, NV	2
4.18.4	Public Information Meeting	Fallon, NV	2

4.18.9 EA DELIVERABLES

The following table of deliverables indicates what should be deducted and realigned as part of this administrative, no-cost modification.

All documents, maps and illustrations that may be required as part of the Air Quality deliverable must be of high quality and easily reproducible on standard or color copiers. Documents will be double-sided, single spaced, on 8 1/2" by 11" paper in manuscript format, with standard outline spacing. Maps identifying the location of the project will be included within the document and may be used along with tables, figures and illustrations throughout the document to more efficiently display project related information. Fold out pages should be avoided. If these are necessary, they will be no larger than 11" by 17" and have the same design as the 8 1/2" by 11" graph pages and will be approved by the government before document preparation. All pages of the documents will be appropriately numbered and bound.

The Contractor shall use 30% recycled paper for draft documents, with each line numbered for editing purposes and comments from previous versions should be highlighted.

The Contractor shall have the text of all deliverables professionally edited for grammar, spelling, punctuation, and formatting. It will be important to all interested parties that the document presents plain and straightforward discussions understandable at approximately an eighth grade reading level.

Deliverable	# Hard Copies	# CDs	Electronic	Delivery Deadline	Notes
Public Information Meeting Posters	5			Public Information Meeting	TO BE DEDUCTED
Air Quality Iteration			X	Coincides with Final EA deliverable	TO BE ADDED

5.0 PERIOD OF PERFORMANCE

As a result of this modification, the period of performance will not change and is still 30 Sept 2013.

APPENDICES

APPENDIX	NAME
A	ELECTRONIC DELIVERABLES
B	CLEAN AIR ACT CONFORMITY ANALYSIS

APPENDIX A**ELECTRONIC DELIVERABLES****A-1.0 SPECIFICATIONS FOR DIGITAL DATA.**

Any maps, drawings, figures, sketches, databases, spreadsheets, or text files prepared for this contract shall be provided in both hard copy and digital form as specified in the deliverables section of this statement of work.

A-1.1. TEXT, SPREADSHEET, AND DATABASE FILES

The Navy and Marine Corps standard desktop computing software is Microsoft Office. Final Reports and other text documents shall be provided in Microsoft Word Navy/Marine Corps Internet (NMCI) compatible format AND Adobe Portable Document Format (PDF). Spreadsheet files shall be provided in Microsoft Excel format. Databases shall be provided in Microsoft Access format, unless specified otherwise, as approved by the NTR. Prior to database development, the Contractor shall provide the NTR with a Technical Approach Document for approval, which describes the Contractor's technical approach to designing and developing the database.

A-1.2 GPS SURVEYS

Horizontal accuracy for survey grade GPS data collection shall be ± 1 centimeter at 1 sigma unless otherwise specified in the statement of work. Horizontal accuracy for planning grade GPS data collection shall be ± 2 meters unless otherwise specified in the statement of work. Every effort shall be made to capture feature locations without using offsets unless obstructions are present. Data sets derived from GPS data collection efforts (mapping or survey grade) shall include metadata to record descriptions of the receiver and other equipment used during collection and processing, base stations used for differential corrections, software used for performing differential corrections, estimated horizontal and vertical accuracies obtained, and conversion routines used to translate the data into final geographic data delivery format. All metadata shall comply with the metadata format requirements as described in this document. Final geographic data delivery format shall comply with the specifications described in this document.

A-1.3. GEOSPATIAL DATA, MAPS, DRAWINGS, AND SKETCHES:

(1) Geographic Data Delivery Format:

(a) Digital geographic maps and the related vector data sets shall be developed using double precision and the data sets shall be delivered in a file geo-database format that is Oracle-compatible using ArcGIS 9.3.1 or higher and must be importable to an Oracle 10g multi-user geodatabase using ArcSDE 9.3.1 or higher. Digital map files (.mxd files) should be delivered in ArcGIS 9.3.1 format and the data layers therein should be contained and sourced to the file geo-database. ArcInfo, ArcGIS, and ArcSDE are geographic information system software applications produced by the Environmental Systems Research Institute (ESRI) of Redlands, California.

(b) Scale-dependant Mapping Guidelines:

Installation and Sub-Regional Level Mapping:

See NAVFAC Guidelines for Installation Mapping and GeoSpatial Data published by NAVFACENGCOM.

Regional, Theatre-Level Mapping:

Geospatial data for regional, theatre-level mapping (1:24K) shall be provided using precise geographic coordinates in decimal degree format with four decimal precision. Geographic data shall generally be provided in: nautical miles (nm.) for expansive marine areas, and statute miles (mi.) for expansive land areas, and projected into the Universal Transverse Mercator (UTM) coordinate system. Regional maps and data shall use the appropriate UTM Zone(s), the GRS 1980 spheroid and the North American Datum 1983 (WGS-84). No offsets shall be used. Each data set shall have a projection file if appropriate based on format.

Map or drawing scales will be determined by the NTR. Mapping accuracy for the agreed scales will conform to the American Society for Photogrammetry and Remote Sensing (ASPRS), "Accuracy Standards for Large-Scale Maps" and "Interim Accuracy Standards for Large-Scale Maps" (ASPRS, 1991). Copies of the ASPRS Accuracy Standards can be obtained by contacting:

American Society for Photogrammetry and Remote Sensing
5410 Grosvenor Lane, Suite 210
Bethesda, MD 20814-2160

ASPRS accuracy standards can also be found on the Internet at:

<http://www.asprs.org>

(c) Any system specific requirements in terms of data compatibility should be addressed. Any geospatial data delivered should be fully compatible with existing government enterprise systems.

(2) Geographic Data Structure: The Contractor shall develop all geographic information in a structure consistent with the Spatial Data Standards for Facilities, Infrastructure and Environment (SDSFIE), Version 2.6, released in January, 2007, or a higher version if available at the time of this project. All data including that created by the contractor, and that furnished by the government or other 3rd parties, shall adhere to SDSFIE standards. The Contractor shall consult with the Government concerning modifications or additions to the SDSFIE. The Government may approve modifications to the Standard if it is determined that SDSFIE does not adequately address subject datasets. The American National Standards Institute's (ANSI) Committee for Information Technology Standards has approved the Spatial Data Standard for Facilities, Infrastructures, and Environment (SDSFIE) as ANSI standard NCITS 353. Copies of the SDSFIE may be obtained by contacting:

Director, U.S. Army Engineer Waterways Experiment Station
CADD/GIS Technology Center
Attn: CEWES-IM-DA/Smith
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

Electronic copies of the Standards are also available from the SDSFIE homepage at URL address:

<http://www.sdsfie.org/>

(3) Content Specifications for Geospatial Data:

The Contractor shall develop all geographic information in a structure consistent with the latest version of Spatial Data Standards for Facilities, Infrastructures and Environment (SDSFIE). All data including that created by the contractor, and that furnished by the government or other 3rd

parties, shall adhere to SDSFIE standards. Specific content for environmental planning and range planning themes supplemental SDSFIE is available from the NAVFAC Data Committee. The Contractor shall consult with the Government concerning modifications or additions to the SDSFIE.

The environmental data themes and attributes developed by the NAVFAC Data Committee have been specified to augment the existing standards in order to make geospatial data more useful to the specific business functions involved in environmental and ranges planning. Subject matter experts identified these themes to add value and relevancy to geospatial data deliverables. "Best available data" shall be provided, and will be evaluated based on whether appropriate regulatory or other authoritative sources were used to acquire raw or complete data for specific themes (see Geographic Data Review below).

(4) Geographic Data Documentation:

For each digital file delivered containing geographic information (regardless of format or source), the Contractor shall provide documentation consistent with the "Content Standards for Digital Geospatial Metadata, June 1998" published by the Federal Geographic Data Committee. The documentation shall include but is not limited to the following: the name and description of the map layer or coverage, the source of the data and any related data quality information such as accuracy and time period of content, description of equipment or instruments used in the data collection, the type of data coverage (point, line, polygon, etc.), the field names of all attribute data and a description of each field name, the definition of all codes used in the data fields, the ranges of numeric fields and the meaning of these numeric ranges, the creation date of the map layer and the name of the person who created it. A point of contact shall be provided to answer technical questions. Metadata generation tools included in the ArcGIS suite of software shall be used in the production of the required metadata in XML format. Alternately, another metadata generation tool called document.aml is available from ESRI for use with ARC/INFO to produce the required metadata. If neither of these tools is used, the Contractor must insure that the metadata is delivered in a format which can be easily translated to the XML format. All metadata needs to comply with the Federal Geographic Data Committee (FGDC) format. Copies of the FGDC metadata standard can be obtained by contacting:

Federal Geographic Data Committee
590 National Center
Reston, Virginia 20192

USNG: 18STJ94731361
FAX: 703-648-5755
E-mail: fgdc@fgdc.gov

FGDC metadata standards can also be found on the Internet at:
URL <http://www.fgdc.gov/metadata>

(5) Geographic Data Review:

The digital geographic maps, related data, and text documents shall be included for review in the draft and final contract submittals. The reviews shall include a visual demonstration of the geographic data on one of the Sun Sparc or Windows computer systems supported by the Geographic Information System (GIS) Section, Business and Logistics Support Department. Contractor shall have a technical consultant available at each review to assist with any digital data discrepancies. The data will be analyzed for subject content and system compatibility. Review of comments to data and text shall be incorporated by the Contractor prior to approval of the final submittal.

In all cases "Best Available Data" should be provided. The government will evaluate Contractor's performance in delivering the "best available data" based on the following criteria:

- Raw or complete data has been acquired from the appropriate regulatory or authoritative sources.
- Compliance with existing standards and data content guidance
- Age of Data
 - Date gathered
 - Date published
- Collection Method
 - Tools
 - Platforms (e.g., foot, ship, plane, vehicle)
 - Review Process
 - Completeness of Data
 - Number of errors identified
 - Complete set of attributes
- Who gathered data
- Where did data come from
- Spatial Resolution
- Quality and completeness of metadata
- Compatibility with known good datasets
- Geographic extent
- Data use restrictions
- Relationships built with data gatherers

(6) Ownership:

All digital files, final hard-copy products, source data acquired for this project, and related materials, including that furnished by the Government, shall become the property of the Navy, and will not be issued, distributed, or published by the Contractor unless instructed by Navy to do so. All files shall be a deliverable at the DEA and FEA deliverable period.

APPENDIX B
CLEAN AIR ACT CONFORMITY ANALYSIS

GENERAL INFORMATION

In order to ensure that Federal activities do not hamper local efforts to control air pollution, Section 176(c) of the Clean Air Act (CAA), 42 U.S.C. 7506(c), prohibits Federal agencies, departments or instrumentalities from engaging in, supporting, providing financial assistance for, licensing, permitting or approving any action which does not conform to an approved State or Federal implementation plan.

Conformity to an implementation plan means: conformity to a plan's purpose of eliminating or reducing the severity and number of violations of the National Ambient Air Quality Standards (NAAQS) and achieving expeditious attainment of such standards; and that such activities will not (1) cause or contribute to any new violation of the NAAQS; (2) increase the frequency or severity of an existing violation; or (3) delay the timely attainment of a standard, interim emission reduction, or milestone. Section 176(c) was amended in 1995 to clarify that the conformity requirements apply only to designated non-attainment and maintenance areas.

The Contractor will initiate this review upon approval of the DOPAA that will delineate the Proposed Action and Alternatives, all of which must be evaluated. The Contractor will prepare a technical paper to document the conclusions of a Conformity Review and submit for Navy concurrence. The Technical Paper will be submitted electronically within 90 days of contract award. If the Technical Paper results in a conclusion that no further documentation is required, the Technical Paper will be integrated into the NEPA document. Any other conclusion will require completion of addition steps for an air conformity analysis.

The Conformity Review will include air basins where the installations NAS Lemoore, NAS Fallon, NAF El Centro are located.

(End of Summary of Changes)